

# **New Framework for Security Risk Management and Asset Protection in the Context of ISO 31000:2009 Standard**

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## **Abstract**

This paper analyses the new framework for security risk management and asset protection in the context of the standard ISO 31000:2009. The structure and the implication of the standard ISO 31000 are analyzed in detail. The conclusion is that ISO 31000 is a concise and well written standard, with a good position in the risk management standards landscape.

**Keywords:** security, risk, standard, framework, risk management, ISO 31000:2009, asset protection

## **References:**

- [1] ISO73:2009 - Risk Management - Vocabulary.
- [2] Purdy: "ISO 31000:2009 - Setting a New Standard for Risk Management", Risk Analysis, Vol. 30, Issue 6, 2010, pp. 881 - 886.
- [3] Raz & Hillson: "A Comparative Review of Risk Management Standards", Risk Management: An International Journal, 7(4), 2005, pp. 53 - 66.
- [4] AS / NZS 4360:2004 - Risk Management, Standards Australia and Standards New Zealand.
- [5] Shortreed, John: "ERM Frameworks", in Fraser, John R.S. & Simkins, Betty J. [ed.], Enterprise Risk Management, Hoboken, New Jersey: John Wiley & Sons, Inc., 2010, pp. 97 - 123.
- [6] Committee of Sponsoring Organizations of the Treadway Commission (COSO), Enterprise Risk Management - Integrated Framework: Executive Summary & Framework. Jersey City, NJ: COSO, 2004.
- [7] ISO 31000:2009 - Principles and Guidelines on Implementation.
- [8] ISO / IEC 31010:2009 - Risk Management - Risk Assessment Techniques.
- [9] <https://docs.google.com/file/d/0B2OQNbLkXn5xeDNVcDllaFJUczQ/edit>
- [10] Leitch, Matthew, "ISO 31000:2009 - The New International Standard on Risk Management", Risk Analysis, Vol. 30, No. 6, 2010, pp. 887 - 892.
- [11] [www.eisf.eu/resources/library/intro\\_risk\\_mgmt.pdf](http://www.eisf.eu/resources/library/intro_risk_mgmt.pdf), Introduction to risk management
- [12] Kloman, "Fantods of Risk", Lyme, CO: Seawrack Press Inc., 2008.